

Mississippi River Research Consortium
37th Annual Meeting Program
Radisson, La Crosse, Wisconsin

SCHEDULE OF EVENTS AND LOCATIONS

28 APRIL 2005 – THURSDAY

8:00 AM Registration (Ballroom Foyer)
8:40 AM Platform Presentations Sessions I and II (Ballroom A)
11:50 AM Lunch (On your own)
1:00 PM Platform Presentations Sessions III and IV (Ballroom A)
3:30 PM Poster Presentations and Social (Ballroom Foyer)
6:00 PM Banquet (Ballroom B)

29 APRIL 2005 – FRIDAY

7:45 AM Registration (Ballroom Foyer)
8:10 AM Platform Presentation Sessions V, VI, and VII (Ballroom A)
9:40 AM Middle & High School Student Poster (Ballroom Foyer)
11:00 AM Business Meeting (Ballroom A)
NOON Lunch and Raffle (Ballroom B)

PLATFORM PROGRAM
HOTEL BALLROOM A

THURSDAY, APRIL 28, 2005

8:40 – 8:50 AM Welcome and Announcements, **Mark Pegg**, MRRC President

SESSION I – VIEW OF A RIVER (Moderator: Michael Delong)

8:50 – 9:10 AM IMMORTAL RIVER: THE UPPER MISSISSIPPI IN MODERN AND ANCIENT TIMES. Calvin R. Fremling
9:10 – 9:30 AM WETLAND FLOOD WATER RETENTION ESTIMATION USING A 3-DIMENSIONAL GIS MODEL. James Handley¹ and Cynthia Berlin
9:30 – 9:50 AM ESTIMATING STATUS AND TRENDS USING LTRMP SURVEY DATA. Brian R. Gray
9:50 – 10:10 AM BREAK

SESSION II – BIVALVES (Moderator: Richard Anderson)

10:10 – 10:30 AM 2003 AND 2004 FOLLOW-UPS ON A 2002 UNIONID TRANSLOCATION FROM MISSISSIPPI RIVER MILE 818.9, COTTAGE GROVE, MN. Marian E. Havlik,
10:30 – 10:50 AM THERMAL REQUISITES FOR GROWTH OF ST. CROIX RIVER WINGED MAPLELEAF MUSSEL GLOCHIDIA AND EXCYSTMENT OF TRANSFORMED JUVENILES FROM HOST-FISH. Mark T. Steingraeber, Michelle R. Bartsch, John A. Kalas, and Teresa J. Newton
10:50 – 11:10 AM LIFE-HISTORY PATTERNS OF FINGERNAIL CLAMS (*MUSCULIUM TRANSVERSUM*) OF BIG LAKE, POOL 9, UPPER MISSISSIPPI RIVER. Jim Eckblad, Karl Swenson, David Schultz, Melissa Howie, Trish Young, Nick Leslein, Bret Powell, Leah Doerr, Katie McVey.

SESSION III – HISTORY (Moderator: Mark Pegg)

11:10 – 11:50 AM ICE SPEAR FISHING: FOCUSING ON THE UPPER MISSISSIPPI LA CROSSE RESEARCH. Ron Deiss
11:50 – 1:00 PM LUNCH (on your own)

SESSION IV – FISH (Moderator: John Chick)

1:00 – 1:20 PM FISH COMMUNITY RESPONSES TO NAVIGATION CHANNEL MAINTENANCE IN THE UPPER MISSISSIPPI RIVER SYSTEM. Kevin S. Irons and Mark A. Pegg
1:20 – 1:40 PM DIETARY OVERLAP BETWEEN BIGHEAD AND SILVER CARP WITH THREE NATIVE FILTER FEEDING FISHES OF THE ILLINOIS AND MISSOURI RIVERS. Schuyler J. Sampson, John H. Chick, and Mark A. Pegg.
1:40 – 2:00 PM CHARACTERIZATION OF FLOODPLAIN LAKE FISH COMMUNITIES IN THE LOWER WHITE RIVER, ARKANSAS. Benjamin J. Lubinski, John R. Jackson and Michael A. Eggleton
2:00 – 2:20 PM FISH ABUNDANCES OF BACKWATER LAKES WITH CONNECTIVITY GRADIENTS IN THE LAGRANGE REACH, ILLINOIS RIVER. Michael A. McClelland, Mark A. Pegg, Kevin S. Irons, and T. Matt O'Hara
2:20 – 2:40 PM BREAK

SESSION V – FISH *cont.* (Moderator: Kevin Irons)

2:40 – 3:00 PM MONITORING PALLID STURGEON LONG-RANGE MOVEMENT AND HABITAT USE IN THE MIDDLE MISSISSIPPI RIVER. Timothy W. Spier, James Garvey, Ron Brooks, Rob Colombo, Brian Koch, and Chris
3:00 – 3:30 PM AQUATIC NUISANCE SPECIES: AN EVALUATION OF BARRIERS FOR PREVENTING THE SPREAD OF BIGHEAD CARP TO THE GREAT LAKES. Ronald M. Taylor¹, Mark A. Pegg¹ and John H.
3:30 – 5:30 PM POSTER SESSION
6:00 – 8:00 PM BANQUET

FRIDAY, APRIL 29, 2005

8:50 – 9:00 AM Morning Welcome and Announcements

SESSION VI – VEGETATION (Moderator: Kevin Kenow)

9:00 – 9:20 AM SOIL TEXTURE AND FOREST STRATA RELATIONSHIPS OF THE CENTRAL FLOODPLAIN FOREST, LOWER KASKASKIA RIVER, ILLINOIS. Susan P. Romano, James J. Zaczek, Karl Williard, David J. Gibson, Loretta L. Battaglia, and Sara G. Baer.
9:20 – 9:40 AM INTERACTION OF NAVIGATION CHANNEL AND VEGETATION BED PHYTOPLANKTON COMMUNITIES DURING FALL, SPRING, AND SUMMER OF 2003-2004 NEAR LOCK AND DAM 19, MISSISSIPPI RIVER. Susan T. Meiers
9:40 – 10:20 AM MIDDLE AND HIGH SCHOOL STUDENT POSTERS/BREAK

SESSION VII – VERTEBRATES (Non-fish) (Moderator: Kevin Kenow)

10:20 – 10:40 AM BIOACOUSTIC AND BEHAVIOR IN THE SOUTHERN FLYING SQUIRREL (*GLAUCOMYS VOLANS*), A KEYSTONE RIPARIAN MAMMAL. Deborah L. Beal, and Tony Meyer.
10:40 – 11:00 AM AN EXPLORATION IN GROWTH OF THE RED-EARED SLIDER, *TRACHEMYS SCRIPTA ELEGANS*, IN THE UPPER MISSISSIPPI RIVER POOLS 19 & 20 AND SELECTED SITES ON THE DES MOINES AND FOX RIVERS. Kelly J. Larson, Michael A. Romano, Richard V. Anderson, and Sean E. Jenkins
11:00 – 12:00PM BUSINESS MEETING AND RAFFLE
12:00 – 1:30 PM LUNCH

POSTER PRESENTATIONS
THURSDAY APRIL 28, 2005 11:00 AM – 6:00 PM
Authors Present 3:30 PM – 5:30 PM
(Listing by Topic)

BIRDS
DISTRIBUTION AND ABUNDANCE OF TUNDRA SWANS ON SELECTED AREAS OF THE UPPER MISSISSIPPI RIVER DURING FALL 2004. Kevin P. Kenow, Larry R. Robinson, Brian R. Gray, James M. Nissen, and Brian Lubinski

INVERTEBRATES
TEMPORAL RELATIONSHIPS IN THE ASSIMILATION OF TRANSPORTED ORGANIC MATTER BY THE FILTERER *HYDROPSYCHE ORRIS*. Cheng Xiong, Paul Bates, and Michael Delong.

LOTIC SESTON QUALITY AND THE GROWTH OF A COMMON FILTER-FEEDING CADDISFLY. Jason A. Veldboom and Roger J. Haro.

FISH
SPATIAL DISTRIBUTION OF FISH NEAR INDUSTRIAL WARM WATER OUTFLOWS ON POOL 19 OF THE MISSISSIPPI RIVER DURING COLD WATER CONDITIONS. Joe DeBold, Dr. Timothy Spier, and David Wyffels

AN EXAMINATION OF PHYTOPLANKTON CONSUMPTION BY GIZZARD SHAD IN POOL 19 OF THE MISSISSIPPI RIVER. Lee Ann Brammeier, Lacey Strack, and Susan T. Meiers.

MUSSELS
ASSESSING THE SPREAD OF ZEBRA MUSSELS IN THE ST. CROIX RIVER USING DENSITY MEASUREMENTS AND NATIVE MUSSELS. Byron N. Karns and Dan Kerner.

ASSESSMENT OF TRACE METALS CONTAMINATION IN UPPER MISSISSIPPI RIVER USING ZEBRA MUSSEL (*DREISSENA POLYMORPHA*). Matthew McDermott and Chulsung Kim.

SAFETY OF CHEMICAL TREATMENTS TO MUSSEL GLOCHIDIA. Theresa M. Schreier¹, Jeff J. Rach¹, Tony Brady², and Doug Aloisi².

THE INFLUENCE OF DIET ON SURVIVAL OF *LAMPSILIS CARDIUM* JUVENILES IN LABORATORY EXPOSURES. Casey Slezniow, Teresa Newton, and Michelle Bartsch.

PLANTS
PLANT COMMUNITIES IN RIPARIAN WETLAND MEADOWS DOMINATED BY REED CANARY GRASS. Robin W. Tyser, Eileen M. Kirsh, and Melissa S. Meier.

WATER QUALITY
EVALUATION OF HEAVY METAL MOBILITY FROM ABANDONED LEAD AND ZINC MINING AREA INTO THE MISSISSIPPI RIVER. Christopher Green and Chulsung Kim

CHARACTERIZATION OF MICROBIAL NITRIFICATION AND DENITRIFICATION IN AN URBAN WISCONSIN MARSH. Kevin M. Miller and Bonnie Bratina

REPTILES
ASSESSMENT OF A TURTLE COMMUNITY IN THE CEDAR RIVER, IOWA. Andrew J. Huck and Gerald L. Zuercher.

A TURTLE SURVEY OF A WETLAND AREA, DUBUQUE COUNTY, IOWA. Mark R. Stover and Gerald L. Zuercher.

FOOD WEB
TEMPORAL DYNAMICS IN STABLE ISOTOPE RATIOS OF TRANSPORTED ORGANIC MATTER IN THE UPPER MISSISSIPPI RIVER. Rebecca J. Bown and Michael D. Delong.

TEMPORAL AND SPATIAL PATTERNS IN CHLOROPHYLL CONCENTRATION OF TRANSPORTED ORGANIC MATTER IN THE UPPER MISSISSIPPI RIVER. Emily R. Forde and Michael D. Delong.

TEMPORAL PATTERNS OF BENTHIC-PELAGIC COUPLING IN MICROALGAE: A STABLE ISOTOPIC EVALUATION. Laura E. Luger and Michael D. Delong.